CLAIMS

1. A process for extruding a solution of cellulose, water and an amine-oxide, which comprises

- providing a closed vessel containing said cellulose solution;
- providing an inert gas blanket above the cellulose solution in the vessel; and
- delivering the cellulose solution to an extrusion means for extrusion thereof.

2. Apparatus for the production of extruded blown cellulose film from a solution of cellulose, water and an amine-oxide, which comprises

- extrusion means for continuously extruding a cellulose solution to produce a cellulose film;
- precipitation means for solidifying the extruded cellulose film;
- draw means positioned downstream of the extrusion means for continuously drawing the extruded cellulose film from the extrusion means; and
- a tubular member for containing the precipitation means and for receiving an extruded blown tube.

3. A method of extruding blown film, the method comprising:

extruding material through a die to form a tube;

maintaining the tube interior at a positive pressure; and

passing the tube through a precipitation medium contained within a tubular member.

4. An extruded cellulose film having a substantially uniform distribution of fine pores throughout its cross-section.

5. A cellulosic film as in claim 4 produced by extruding a dissolved cellulose solution in N-Methyl Morpholine N-

oxide monohydrate.

6. A cellulosic film as in claim 4 with a permeability in the range 225-500 mg μm ml/min cm^2g.

7. A cellulosic film as in claim 4 with a crystalline cellulose structure in the range 36-41% as measured with wide angle X-ray defraction.